

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: NAGANAWA, et al.  
Serial No.: Not Assigned  
Filed: July 10, 2003  
For: ELECTRONIC APPARATUS

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97 & 1.98**

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

July 10, 2003

Sir:

In the matter of the above-identified application, applicant(s) are submitting copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted, with The New Application.

Although, the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR 1.98(a)(3) for a concise explanation of the relevance is satisfied by the discussion of these documents in the specification, for example, on page 2.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus Deposit Account No. 01-2135 (Case: 520.42791X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS LLP

A handwritten signature in black ink, appearing to read 'Melvin Kraus', written in a cursive style.

Melvin Kraus  
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Attachments

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| Substitute for form 1449A/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(use as many sheets as necessary)</i> |   |    |   | <b>Complete if Known</b>                      |                     |
|   |   |    |   | Application Number                            |                     |
|   |   |    |   | Filing Date <b>July 10, 2003</b>              |                     |
|   |   |    |   | First Named Inventor <b>NAGANAWA, TAKASHI</b> |                     |
|   |   |    |   | Art Unit                                      |                     |
|   |   |    |   | Examiner Name                                 |                     |
| Sheet   | 1 | of | 1 | Attorney Docket Number                        | <b>520.42791X00</b> |

| U.S. PATENT DOCUMENTS             |                          |  |  |                                |  |   |
|-----------------------------------|--------------------------|--|--|--------------------------------|--|---|
| Examiner<br>Initials <sup>*</sup> | Cite<br>No. <sup>1</sup> | Document Number                          |  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                                   |                          | Number-Kind Code <sup>2</sup> (if known) |  |                                |  |   |
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| FOREIGN PATENT DOCUMENTS          |                          |   |  |                                |  |   |                |
|-----------------------------------|--------------------------|---|--|--------------------------------|--|---|----------------|
| Examiner<br>Initials <sup>*</sup> | Cite<br>No. <sup>1</sup> | Foreign Patent Document   |  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|                                   |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |  |                                |  |   |                |
|                                   |                          | JP-7-142886A  |  | 06-02-1995                     | OHASHI SHIGEO                                      |   |                |
|                                   |                          | JP-6-266474A  |  | 09-22-1994                     | OHASHI SHIGEO                                      |   |                |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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